

What is claimed is:

1. Within a contrast media injector system, a method for modifying syringe constants, said method comprising the steps of:
  - displaying an interface that permits a service technician to configure one or
  - 5 more service-level aspects of the injector system;
  - providing within the interface a data collection routine that prompts for the syringe constants;
  - in response to said prompts, receiving input related to the syringe constants; and
- 10 updating a syringe definition according to the received input.

2. The method according to claim 1, further comprising the steps of:

storing the syringe definition in a non-volatile memory that is part of the injector system.

3. The method according to claim 1, wherein the syringe constants comprise one

5 or more of a syringe diameter; a syringe stroke length, and a syringe volume.

4. The method according to claim 3, further comprising the steps of:

requesting data related to two of the syringe constants; and

calculating the third syringe constant.

5. The method according to claim 1, further comprising the step of:

10 modifying one or more operational routines of the injector system affected by the step of updating the syringe definition.

6. The method according to claim 1, further comprising the step of:

modifying one or more parameters stored by the injector system which are affected by the step of updating the syringe definition.

15 7. The method according to claim 1, further comprising the step of:

associating a label with the syringe information based on the received input.

8. The method according to claim 1, wherein the step of updating includes one of

the steps of a) modifying an existing syringe definition or b) creating a new syringe definition.

9. The method according to claim 2, further comprising the step of:
  - deleting another syringe definition from the non-volatile memory before storing the syringe definition.
10. The method according to claim 1, further comprising the steps of:
  - 5 exiting the interface;
  - displaying an operational interface whereby an operational routine is executed.
11. The method according to claim 10, wherein the operational routine relies on the syringe definition.

12. A contrast media injector system comprising:
  - a processor;
  - a non-volatile storage coupled with the processor;
  - an application stored within said non-volatile storage configured to execute
- 5     on said processor, said application including:
  - an interface for configuring the injector system;
  - an input routine configured to receive data related to syringe constants; and
  - an updating routine configured to generate a syringe definition based
- 10    on the data.

13. The system according to claim 12, wherein the input routine is further configured to prompt a technician for a portion of the syringe constants; to determine an omitted syringe constant; and to calculate the omitted syringe constant.

5     14. The system according to claim 12, wherein the syringe definition is stored in the non-volatile storage.

15. The system according to claim 12, further comprising:  
an operational application stored in the non-volatile storage, said operational application includes one or more control routines to operate an injector  
10    of said injector system, wherein the control routines use the syringe definition to operate the injector.

16. A method for updating an injector system comprising the steps of:
  - entering a service mode of the injector system;
  - inputting one or more syringe constants;
  - based on the one or more syringe constants, calculating an additional 5 syringe constant; and
  - storing a syringe definition in the injector system based on the one or more syringe constants and the calculated syringe constant.
17. A method for updating an injector system comprising the steps of:
  - entering a service mode of the injector system;
  - 10 inputting at least three syringe constants; and
  - storing a syringe definition in the injector system based on the three syringe constants.

18. The method according to claim 17, wherein the at least three syringe constants comprise a syringe diameter; a syringe stroke length, and a syringe volume.

19. The method according to claim 17, further comprising the step of:

5            updating a software routine within the injector system which relies on the syringe definition.

20. The method according to claim 17, wherein the one or more syringe constants are selected from the group comprising: syringe diameter, syringe stroke length, and syringe volume.